

Abstract of the Disclosure

A polyisoprene emulsion is provided, being made from 60~100 parts by weight of isoprene monomer and 5~50 parts by weight of one or more monomers selected from the group consisting of styrene, acrylates and organic acids, by using a free radical emulsion polymerization in the presence of an emulsifier and an initiator, said polyisoprene emulsion having a weight average molecular weight of $10^4 \sim 10^5$, pH of 6.0~7.0, viscosity of 5~20cp (25°C), solid content of 30~50%, and colloidal particle size of 100~200nm. The polyisoprene emulsion thus obtained has excellent film-forming property; the latex articles made therefrom are suitable for use in the areas of medicine-hygiene, electronic industries, science and technology for national defense, and daily life.